

Team info

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Method

The system was applied via NiftyNet platform. There is no parameter tuning, modification or pre/post-processing. The results were generated by default parameters that developers provided. Input volumes automatically scaled for memory optimization. Output volumes of the network were rescaled to original data after segmentation.

Details of the system can be obtained from the publications below:

- I. F. Milletari, N. Navab and S. Ahmadi, "V-Net: Fully Convolutional Neural Networks for Volumetric Medical Image Segmentation," 2016 Fourth International Conference on 3D Vision (3DV), Stanford, CA, 2016, pp. 565-571. <https://doi.org/10.1109/3DV.2016.79>
- II. E. Gibson, W. Li, C. Sudre, L. Fidon, D. Shakir, G. Wang, Z. Eaton-Rosen, R. Gray, T. Doel, Y. Hu, T. Whyntie, P. Nachev, M. Modat, D. C. Barratt, S. Ourselin, M. J. Cardoso and T. Vercauteren (2018) NiftyNet: a deep-learning platform for medical imaging, Computer Methods and Programs in Biomedicine. <https://doi.org/10.1016/j.cmpb.2018.01.025>